

COVID-19 Vaccination Schedule for Primary and Booster Doses



COVID-19 Vaccination Schedule - for Primary Series in the General Population

Primary series vaccine manufacturer	Age Group	Number of doses in primary series	Number of booster doses	Interval between 1st and 2nd dose	Interval between primary series and booster dose
Pfizer-BioNTech Orange Cap	5-11 years	2	N/A	3 weeks	N/A
Pfizer-BioNTech Purple Cap OR Gray Cap	12 years and older	2	1*	3-8 weeks**	At least 5 months*
Moderna	18 years and older	2	1*	4-8 weeks**	At least 5 months*
Janssen	18 years and older	1	1*	NA	At least 2 months*

*All people ages 12 years and older should receive 1 booster dose of a COVID-19 vaccine. Some adults may receive a second booster dose:

- Adults ages 18-49 years: Those who received Janssen COVID-19 Vaccine as both their primary series dose and booster dose may receive an mRNA COVID-19 booster dose at least 4 months after the Janssen booster dose.
- Adults ages 50 years and older: A second mRNA booster dose could benefit people ages 50 years and older, as they are at increased risk for severe COVID-19. People ages 50 years and older may choose to receive a second booster dose, if it has been at least 4 months after the first booster

**An 8-week interval may be optimal for some people ages 12 years and older, especially for males ages 12 to 39 years. A shorter interval (3 weeks for Pfizer-BioNTech; 4 weeks for Moderna) between the first and second doses remains the recommended interval for people who are moderately to severely immunocompromised; adults ages 65 years and older; and in situations in which there is increased concern about COVID-19 community levels or an individual's higher risk of severe disease.

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UPDATED 03/31/2022

COVID-19 Vaccination Schedule - for People with Moderate or Severe Immunocompromise

Primary Vaccination	Age Group	Number of doses in primary series	Number of booster doses	Interval between 1st and 2nd dose	Interval between 2nd and 3rd dose	Interval between primary series and booster dose
Pfizer-BioNTech Orange Cap	5-11 years	3	N/A	3 weeks	At least 4 weeks	N/A
Pfizer-BioNTech Purple Cap OR Gray Cap	12 years and older	3	1*	3 weeks	At least 4 weeks	At least 3 months*
Moderna	18 years and older	3	1*	4 weeks	At least 4 weeks	At least 3 months*
Janssen	18 years and older	1 Janssen, followed by 1 mRNA	1*	4 weeks	At least 2 months	N/A*

*People ages 12 years and older may choose to receive a second booster dose using an **age-appropriate** mRNA COVID-19 vaccine if it has been at least 4 months after the first booster dose.

Dose Sizes



Vaccine Manufacturer	Age Group	Primary Series Injection Volume	Booster Dose Injection Volume
Pfizer-BioNTech Orange Cap	5-11 years	0.2 mL	N/A
Pfizer-BioNTech Purple Cap OR Gray Cap	≥12 years	0.3 mL	0.3 mL
Moderna	≥18 years	0.5 mL	0.25 mL
Janssen	≥18 years	0.5 mL	0.5 mL

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UPDATED 03/31/2022

COVID-19 Vaccine Boosters



Pfizer/Comirnaty Boosters

Punctured vials must be utilized within 12 hours. Punctured vials can be used to administer both primary and booster doses.

NOT Moderately to Severely Immunocompromised

A second booster dose of the Pfizer-BioNTech COVID-19 Vaccine may be administered to individuals 50 years of age and older at least 4 months after receipt of a first booster dose of any authorized or approved COVID-19 vaccine for a total of 4 doses.

Moderately to Severely Immunocompromised

A second booster dose of the Pfizer-BioNTech COVID-19 Vaccine may be administered to immunocompromised individuals 12 years of age and older at least 4 months after receipt of a first booster dose of a COVID-19 vaccine for a total of 5 doses.

Moderna Boosters

Each Moderna vial can only be punctured up to 20 times and must be used within 12 hours once punctured. Punctured vials can be used to administer both primary and booster doses. Providers **MUST** keep track of the number of times the vial has been punctured. Ancillary kits will contain enough supplies for each vial to be punctured a maximum of 20 times (to administer up to 20 doses).

NOT Moderately to Severely Immunocompromised

A second booster dose of the Moderna COVID-19 Vaccine may be administered to individuals 50 years of age and older at least 4 months after receipt of the first COVID-19 booster dose for a total of 4 doses.

Moderately to Severely Immunocompromised

A second booster dose of the Moderna COVID-19 Vaccine may be administered at least 4 months after the first booster dose of any authorized or approved COVID-19 vaccine to immunocompromised individuals 18 years of age and older for a total of 5 doses.

COVID-19 Vaccine Boosters



Janssen (Johnson & Johnson) Boosters

Punctured vials must be used within 6 hours. Punctured vials can be used to administer both primary and booster doses.

NOT Moderately to Severely Immunocompromised

Adults 18-49 years who received their first dose as Janssen COVID-19 should receive a second vaccine, preferably an mRNA vaccine, at least 2 months later for a total of 2 doses.

Adults 18-49 years who received both a first and a second dose with a Janssen vaccine may receive a mRNA vaccine at least 4 months after the previous vaccine for a total of 3 doses.

Adults ages 50 years and older: Recipients of an initial Janssen COVID-19 vaccine should receive an mRNA COVID-19 vaccine at least 2 months after the first vaccine and another mRNA COVID-19 vaccine at least 4 months later for a total of 3 doses.

Moderately to Severely Immunocompromised

Immunocompromised adults who received a primary Janssen COVID-19 vaccine, and two subsequent mRNA COVID-19 vaccines may now receive another mRNA COVID-19 vaccine at least 4 months after the most recent COVID-19 vaccine for a total of 4 doses.

Per updated CDC guidelines, mRNA COVID-19 vaccines are preferred over the Janssen COVID-19 vaccine. Therefore, adults who have received one dose of Janssen vaccine should receive a booster dose with one of the available mRNA COVID-19 vaccines (Moderna or Pfizer).